SAFETY TOOLS allmet

EX Certified Grinding Tools

User Manual Grinding Tools

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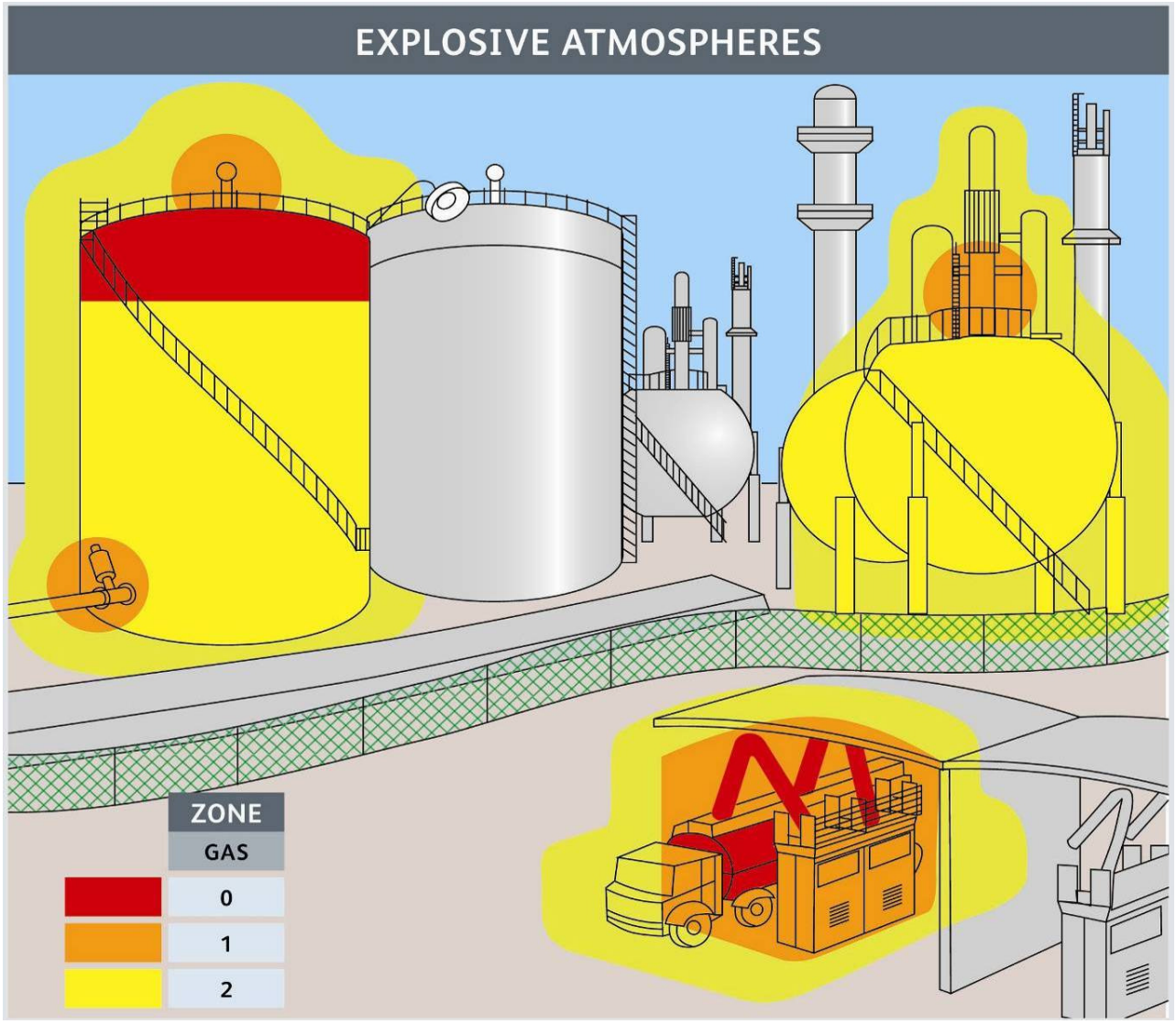
Safety Tools Allmet AS
Straume Næringspark, Idrettsvegen 113C
5353 Straume, Norway
Direct +47 56 32 36 50
FAX +47 56 32 36 51
E-mail: sales@safetytools.no
www.safetytools.no

User Guide. December 2010 rev 01

Cut the heat – cut the risk



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Keep this manual in a safe, accessible place at all times

Keep this instruction manual for future reference. Additional safety information may be available from the authorized agent in your country. Consult them when necessary. Do not remove or allow to become obscure any labels or markings on the tool.

Important safety information

Read these instructions fully before use. Failure to do this may result in serious injury. The user of this equipment must be competent in its use. The user must ensure that the equipment is selected, installed and used in accordance with regulations and is checked fully before use. The equipment must only be used for its intended purpose and be maintained regularly.

Safety is a primary consideration when using Safety Tools equipment. The tools should be used in the correct way with a good understanding of how to use the tools safely. The tools together with attachments and accessories should only be used for the purpose for which they are designed. Safety devices and accessories supplied should be used appropriately. Do not use outside the design intent unless first agreeing upon such use with the manufacturer and/or authorized agent. Read and fully understand all the instructions before attempting to install, use, service or maintain the equipment. Training is available through Safety Tools Allmet and the authorized agent in your region.

WARNING

To reduce the risk of injury, before using or servicing tool, read and understand the following information. The features and descriptions of our products are subject to change without prior notice.

This product is designed for removing material using abrasives. The abrasives are very hard and solid (9.7+ Rockwell scale). No other use permitted - for professional use only.

Before servicing of the pneumatic tool, the supply of compressed air must be disconnected or shut off.

Disposal

When disposing of components, lubricants, etc … ensure that the relevant safety procedures are carried out

Air Pressure

Check hose size and air pressure. The air pressure at the tool inlet with the grinder running shall not exceed the maximum operating pressure of 6.3 bar (90 psig) or lower if other specified. The tool is designed for a working pressure of 6.3 bar (90 psig). The compressed air must be clean. The installation of a filter is recommended. For maximum efficiency and performance, comply with the specification of the air hose (antistatic, earthed hose). Avoid the risk of whipping hose – regularly check hose, hose fitting and clamp conditions.

Always use the correct and clean air hose and fittings and check that they are all in good condition and are properly installed. Do not use damaged, frayed or deteriorated hose end fittings. Replace them when necessary. Always store hoses properly. A hose failure can cause injury. The air hose may come off and whip. Use only earthed hosing in ATEX zones. See DNV Certificate. Air should be supplied at a constant pressure of 6.3 Bar at the tool with the trigger fully depressed. In-Line lubricators and air filters are not required unless it is known that plant air supply is likely to be contaminated. It is recommended that oil is added to the tool after prolonged use. See maintenance information.

Grinding Tempratures

Safety Tools Allmet Explosive test were performed using a robotic system**.** It is not possible using non-machanical systems to reach the heat levels when the tools are used under human conditions. The average temprature range when using Safety Tools Grinding Equipment is 30℃ - 70℃. It is not possible to exceed 200℃ when using Safety Tools Grinding equipment under normal human conditions. See DNV Certificate.

Safety Tools Ex Grinding Equipment is suitable for use in ambient temperatures from -20℃ to 40℃.

- Air supply must be dry & clean.

Types of Steel Tested

Safety Tools Allmet performed test on the 6 different materials, three different steel qualities and two different titanium qualities below.

- Stainless Steel Grade 316
- Steel ST52
- Titanium
- ASTM B265 Titanium
- Austenitic Stainless Steel 6MO
- Aluminum

Maintenance

To obtain maximum efficiency from the pneumatic tool, preserve its features and avoid repeated repairs, a routine inspection and repair program are recommended at least every 1000 hours, the intervals between the various inspections depending on the amount of exertion on the power tool.

Safety Tools ATEX certified Air Tools must be properly maintained and tested by competent and trained personnel. At any sign of malfunction or unusual behaviour, the tool should be taken out of service for examination and repair. If repairs are necessary contact the authorized agent in your country. It is recommended to dismantle air tools for overhauling and cleaning after 500 hours of operation or once every six months.

- Before cleaning the tool for use make sure that it has been correctly assembled. With all fasteners tightened.
- Check the rotation frequency of the tool without an attached file or disk. After each maintenance or service.
- If you are uncertain about the correct way to service a tool contact the authorized agent in your region.
- Only trained people should service and maintain Safety Tools equipment.

Check the free speed of the tool at regular intervals and after each operation or maintenance task. Remove the file (burr) or disk to check the speed. The maximum allowed speed shown on the tool must not be exceeded and the vibration level must not be excessive.

Motor speeds

These cold grinding tools are designed for use with the following motors:

Motor type	RPM	Max air pressure	Air hose diameter
(A-0105) Fuji FCD-10X-52 special	1000	6,3 Bar	9.5mm (3/8 inch)
(A-0104) Fuji FCD-6X-51 special	2000	6,3 Bar	9.5mm (3/8 inch)
(A-0107) Fuji FG-2VX-50 special	3000	6,3 Bar	9.5mm (3/8 inch)
(A-0108) Fuji FAS-1X-50 special	2000	6,3 Bar	9.5mm (3/8 inch)

Noise

The operator must wear ear protection when the noise level at his position exceeds 83dB or 85 dB. It is recommended that the operator wears the ear protection even if the noise level is less than 83dB or 85 dB.

Noise levels while grinding with Safety Tools Equipment.

- Lowest reading is 80 dB
- Highest reading is 85 dB
- Average reading is 80.5 dB

Vibration Analysis HAV

Averaged measurements while grinding with one of the grinding file or grinding disk mounted on.
Grinding where done on a 10 mm carbon steel plate

Item number	Air tool	Vibration Level
A-0104	FCD-6X-51	2.61 m/s²
A-0105	FCD-10X-52	2.58 m/s²
A-0107	FG-2VX-50	2.13 m/s²
A-0108	FAS-1X-50	2.73 m/s²

Posture

Safety Tools are generally used as a hand-held unit. It is recommended that it is used whilst standing on a firm surface. It may be used in other positions but it is important that the operator is in a secure position and has a firm grip and footing. Refer to risk analysis for further guidance.

Safety Tools Allmet also has Robotic Systems and Automated Tool Guides. Contact Safety Tools Allmet or the Authorized Agent in your Region for more information.

Protective Equipment

Always wear necessary protective equipment when using this equipment. Safety goggles or face shield, gloves and hearing protection are required. Ensure all clothing is close fitting to prevent becoming snagged in moving parts.

Safety Goggles / face shield	**Mandatory**
Hearing Protection	**Mandatory**
Safety Gloves	**Mandatory**
Safety Hat	**Mandatory**
Respiratory Protection	**Optional**

Special Conditions

Projectile Hazards for misuse

- Always wear impact-resistant eye and face protection when involved with or near the operation, repair or maintenance of the tool or changing accessories on the tool.
- Be sure all others in the area are wearing impact-resistant eye and face protection.
- Even small projectiles can injure eyes and cause blindness.
- Use barriers to protect others from wheel fragments and grinding sparks.
- Daily measure the air tool speed with a tachometer to make sure it is not greater than the RPM marked on the grinding accessory.
- This Tool and its accessories must not be modified in any way.

Entanglement Hazards for misuse

- Keep away from rotating drive spindle and abrasive. Rotation may continue for several seconds after the throttle has been released. Do not lay the tool down until rotation has stopped.
- Do not wear jewelry or loose clothing.
- Choking can occur if neckwear is not kept away from tool and accessories.
- Scalping can occur if hair is not kept away from tool and accessories.

Mounting Hazards for misuse

- Always shut off air supply, relieve hose of air pressure and disconnect tool from air supply when changing accessories.
- Use only recommended sizes and types of abrasives.
- Do not use files or disks that are cracked.
- Correct mounting is necessary to prevent injury.
- Safety Tools Air Tools are specially designed to work only with Safety Tools Grinding Files and Disks. Only Use Safety Tools Air Tools and Accessories as they are designed. Do not use with other Accessories and or Air Tools.

Operating Hazards for misuse

- Operators and maintenance personnel must be physically able to handle the bulk, weight and power of the tool.
- Ensure that the work piece is properly supported.
- Maintain a balanced body position and secure footing.
- Avoid contact with rotating spindle and accessory to prevent cutting of hands and other body parts. Wear protective equipment listed.
- Do not use if vibration becomes excessive: check the accessory for damage or incorrect mounting.
- There is a risk of electrostatic discharge if used on plastic and other non-conductive materials.

Workplace Hazards for misuse

- Slip/Trip/Fall is a major cause of serious injury or death. Be aware of excess hose left on the walking or work surface.
- High sound levels can cause permanent hearing loss. Use hearing protection as recommended by your employer or occupational health and safety regulations.
- Repetitive work motions, awkward positions and exposure to vibration can be harmful to hands and arms. If numbness, tingling, pain or whitening of the skin occurs, stop using tool and consult a physician.

Air Supply and Connection Hazards for misuse

- Air under pressure can cause severe injury.
- Always shut off air supply, drain hose of air pressure and disconnect tool from air supply when not in use, before changing accessories or when making repairs.
- Never direct air at yourself or anyone else.
- Whipping hoses can cause serious injury. Always check for damaged or loose hoses and fittings.
- Whenever universal twist couplings are used, lock pins must be installed.
- Do not exceed maximum air pressure of 6.3 bar/90 psig or as stated on tool nameplate.
- Check and maintain air hoses regularly.
- Use only Earthed/Anti-Static Hoses (2mm Maximum thickness on coatings) See DMV information.
- Make sure the air supply is clean and dry.
- Safe to use in ambient temperatures -20℃ to 40℃. If water is used then the ambient temperature for safe use must be greater than 0℃.

Preparation

Before Start-up

- Make sure that the work station and the surroundings are safe and clear of any oil, grease etc.
- Make sure that there is sufficient space for the grinding tool and the task to be carried out.
- Provide for the best access for air hoses.
- Verify that the working pressure is 6,3 bar for the rotating Air engines.

WORKING POSITION

- Use the correct lifting technique. Do not ever use the hose as a lifting handle.
- Adopt a good stance and avoid overreaching
- Make sure that air hoses are fitted with whip checks.

ASSEMBLING THE TOOL

- The operator must use the correct grinding tool for the task at hand.
- Install the rotating file or disk.
- Do not exert unnecessary force during this work.
- Make sure that the equipment has the required marking in accordance with the ATEX. / DNV certificate.
- Do not modify the tool without first contacting Safety Tools Allmet
- Do not use the tool until you are completely familiar with its operation.
- The tool is to be earthed via certified air hose.
- Do not use the equipment if it emits unusual sounds, or if it vibrates or the speed varies.
- Do not touch a rotating file ore disk during operations, as this may lead to injury.
- If you have long hair or wear loose garments, be careful so as to avoid your hair or garment being caught in the equipment. Make sure hair and garments is not near the rotating parts.

READY FOR USE

- Make sure that the grinding tool is fitted with safety START \STOP
- Verify that the air hose has been installed in accordance with current regulations. This applies to all connections.
- Inspect the hoses visually to ensure that they do not leak air.
- Test the machine by using the tool for approx. 30 seconds to make sure that everything has been correctly installed.

START-UP OF ROTATING FILES

- Wear mandatory personal safety equipment
- Make sure that you use the appropriate working posture.
- The grinding machine must be in operation when it is put down on the work place.
- Do not apply too much force while grinding. This will increase the efficiency and lifespan of the motor, file & disk.
- Place the file on the work piece and pull it toward you. Guide the file back and repeat the process until the desirable stripping has taken place.
- Cooling may be applied, both water and air. If water is used then the ambient temperature for safe use must be greater than 0℃.
- In the event of change of equipment, isolate the air supply before this is done.
- In the event of protracted stops the air supply is to be isolated and disconnected.

AFTER USE MAINTENACE

- Clean the Air engines.
- Lubricate the air engines. One drop of air motor oil into the air supply connector is optimal after prolonged use.
- Clean the grinding tools using a steel brush.
- Place the tool in the safety suitcase securely.
- Remove any grinding residues from the place of work.
- Make sure that the safety suitcase is stored in an appropriate manner.
- It is recommended to dismantle Safety Tools Air tools for overhauling and cleaning periodically after 500 hours of operation or once every six months. Service of Safety Tools equipment should only be done by Safety Tools Allmet or an authorized Safety Tools agent.

FUJI STRAIGHT GRINDER

Prod.nr.	Speed	Prod. name	⚖ (g)	Air inlet
A-0107	3000 rpm	FG-2VX-50	894	1/4" NPT

Ex Certified Exclusively for Safety Tools - Fuji Straight Grinder (3000 RPM) - Use with Rotating Files (A-0001) through (A-0008).

All Fuji Air Tools are Exclusive Ex Air Tools only available through Safety Tools Allmet or the authorized Safety Tools agent in your region.

FUJI ANGLE GRINDER

Prod.nr.	Speed	Prod. name	⚖ (g)	Air inlet
A-0104	2000 rpm	special FCD-6X51	1700	1/4" NPT

Ex Certified Exclusively for Safety Tools - Fuji Angle Grinder (2000 RPM) Use with Rotating Files (A-0001) through (A-0010).

All Fuji Air Tools are Exclusive Ex Air Tools only available through Safety Tools Allmet or the authorized Safety Tools agent in your region.

FUJI ANGLE GRINDER

Prod.nr.	Speed	Prod. name	⚖ (g)	Air inlet
A-0108	2000 rpm	FAS-1X-50	842	1/4" NPT

Ex Certified Exclusively for Safety Tools - Fuji Angle Grinder (2000 RPM) Use with Rotating Files (A-0009) through (A-0010 Rough Boy).

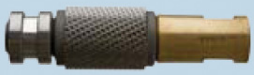
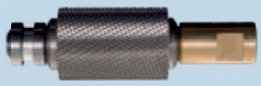
All Fuji Air Tools are Exclusive Ex Air Tools only available through Safety Tools Allmet or the authorized Safety Tools agent in your region.

FUJI ANGLE GRINDER

Prod.nr.	Speed	Prod. name	⚖ (g)	Air inlet
A-0105	1000 rpm	FCD-10X-52	2400	1/4" NPT

Ex Certified Exclusively for Safety Tools - Fuji Angle Grinder (1000 RPM) - Use with Grinding Disk for Paint (A-0500).

All Fuji Air Tools are Exclusive Ex Air Tools only available through Safety Tools Allmet or the authorized Safety Tools agent in your region.

Prod.nr.		Dim./lengde	⚖ (g)	
A-0001		65 mm	76	Grinding around very tight areas and in small holes.
A-0002		70 mm	114	Grinding around tight areas and in corners. The rounded file is great for non squared angle. Use to remove sharp edges.
A-0003		70 mm	110	Grinding in tight areas and in corners. The cone works well in squared angle situations.
A-0004		65 mm	182	Removing edges and following crack lines. Great for grinding inside pipes and angles on pipes and in corners
A-0005		65 mm	168	Grinding inside pipes and removing weld seems , rounding situations & like the A-0004 for angles on edges.
A-0006		65 mm	78	Has a special nano-coating specially designed for on Aluminum, Titanium, Chartek & Heavy Coatings.
A-0007		57 mm	194	Removing edges and following crack lines. Great for grinding inside pipes and angles on pipes and in corners
A-0008		72 mm	282	Removing edges and following crack lines. Great for grinding inside pipes and angles on pipes and in corners
A-0009 B		95 mm	340	Remove paint and steel from edges and pipes. Use with A-0104 Angle Grinder and A-0060 Handle
A-0009 C		95 mm	340	Remove paint and steel from flat surfaces and pipes. Only fits A-0108 Angle Grinder and A-0060 Handle (Required)
A-0010		118 mm	826	Spot removing of paint and steel from flat surfaces and pipes and larger surface areas. Only fits A-0108 Angle Grinder and A-0060RB Handle (Required)

GRINDING DISC FOR PAINT FOR STA A-0105

Max 1000 RPM

Prod.nr.	⚖ (g)	Dim
A-0500	410	Ø 80 mm

Grinding Disk for paint - Use the Fuji Angle Grinder (FCD-10X-52) 1000 RPM. Similar to a flap disc but remember it's a fixed disk and you must adjust yourself to the disk and how it is milling steel and paint. (Handle required for use).

A-0060 Handle
Use with air Engine A-0108 & A-0104 on the file A-0009A/B
Not pictured is the included Drop Safety Device

Nail Punch

Use for lock the spindle of the Small Angle Grinder air engine A-0108

A-0060RB Handle
Use with Safety Tools Small Angle air tool A-0108 and the file A-0010 grinding file.
All together this solution is nicknamed Rough Boy

16mm & 17mm Spanner is used to loosen and tighten the files to Safety Tools Air Tools.

A-0065 Covering
Use with Safety Tools large 1000 RPM air engine A-0105. Covering for the paint removal grinding disk A-0500

6mm Allen Key is used for to attach & remove the Grinding Disk for Paint (A-0500) – Rough Boy Handle (A-0060RB) and Support Handle for Straight Grinder (A-0107)

A-0068 Drop safety Device - Used on every grinding air engine from Safety tools and on the handle A-0060.
“Don’t drop the tools use the Drop Safety Device”

10mm Used to Loosen and Tighten Grinding Files to Straight Grinder (A-0107) Air Tool.

A-0062 Cooling cap.
Use with the straight grinder A-0107

This accessory is not required for the Atex certification. However, using water will increase the lifespan of the grinding file. Air can also be used with this accessory.

Comes with the Straight grinder A-0107

This is an optional accessory and not required – it offers extra support when grinding.

FUJI STRAIGHT GRINDER

Prod.nr.	Speed	Prod. name	⚖ (g)	Air inlet
A-0107	3000 rpm	FG-2VX-50	894	1/4" NPT

FUJI ANGLE GRINDER

Prod.nr.	Speed	Prod. name	⚖ (g)	Air inlet
A-0104	2000 rpm	special FCD-6X51	1700	1/4" NPT

FUJI ANGLE GRINDER

Prod.nr.	Speed	Prod. name	⚖ (g)	Air inlet
A-0108	2000 rpm	FAS-1X-50	842	1/4" NPT

FUJI ANGLE GRINDER

Prod.nr.	Speed	Prod. name	⚖ (g)	Air inlet
A-0105	1000 rpm	FCD-10X-52	2400	1/4" NPT

Prod.nr.		Dim./lengde	⚖ (g)
A-0001		65 mm	76
A-0002		70 mm	114
A-0003		70 mm	110
A-0004		65 mm	182
A-0005		65 mm	168
A-0006		65 mm	78
A-0007		57 mm	194
A-0008		72 mm	282
A-0009 B		95 mm	340
A-0009 C		95 mm	340
A-0010		118 mm	826

GRINDING DISC FOR PAINT FOR STA A-0105

Max 1000 RPM

Prod.nr.	⚖ (g)	Dim
A-0500	410	Ø 80 mm

A-0062
Cooling cap for Strait grinder
Fuji FG 2 VX50 (A-0107)

A-0065
Covering for angle grinder
Fuji FCD 10X 52 (A-0105)

A-0068
Drop safety device
for all air engine and
handle A-0060

A-0060
Handle for file A-0009 B and
A-00009 C

A-0060 RB
Handle for file A-0010

A-0107 Straight Grinder (3000 rpm)

Below are 2 pictures with Accessories, Mounting Tools and Files.

Left Picture

- Ex Straight Grinder (A-0107)
- Files A-0001 to A-0008
- 10mm Spanner
- 16mm or 17mm Spanner
- 6mm Allen Key
- Drop Safety Device
- Straight Grinder Support Handle

Right Picture
To attach and remove grinding files to Ex Straight Grinder use 10mm spanner & 16mm or 17mm spanner as shown below. Make sure file is tightened properly before use.

Special Information

Air tools should be properly cleaned and maintained after each use. See maintenance information on page 4 preparation information on page 7.

Use one to two drops of Air Tool oil in air supply nozzle after prolonged use.

Safety Tools files should be properly cleaned and maintained after each use. A good quality steel brush works best.

Ex Air Tool with optional handle remove and attach with 6mm Allen key as shown above. Make sure the handle is attached and tightened properly before use.

Air connection must always be disconnected from air supply when:
- Attaching or removing files
- Cleaning & maintaining Safety Tools

Do not exert excessive force when grinding with Safety Tools. The files are very solid and strong and work better with moderate force.

For extra support when grinding with the Straight Grinder attach the Support Handle using a 6mm Allen key

A-0108 Small Head Angle Grinder (2000 rpm) with Grinding File A-0009C.

Pictured below is Safety Tools Small Angle Grinder (A-0108) that is used with Grinding File (A-0009C). There are only two Safety Tools Grinding Files that will work with this Air Tool. The other one is Rough Boy (A-0010)

While grinding with Angle Grinder (A-0108) and the Grinding File (A-0009C) - always have the handle A-0060) mounted on. Do not use too much force while grinding. Using too much force will cause the equipment to not work as efficiently & possibly break the Air Tool. Safety Tools Grinding Files are very solid and have specially designed cuts. It is not necessary to use as much force with our grinding tools as conventional abrasive tools.

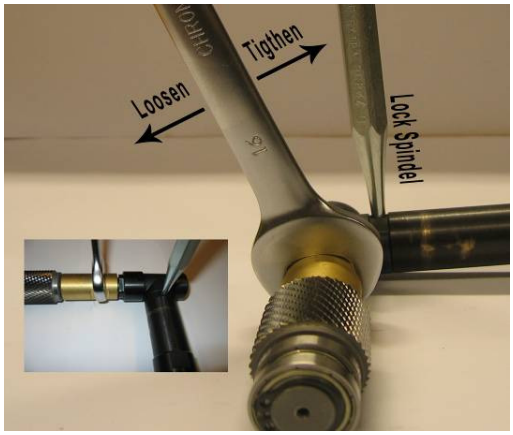
Left Picture

- Small Ex Angle Grinder (A-0108)
- Grinding File (A-0009C)
- 16mm or 17mm Spanner
- Nail Punch
- Handle (A-0060) with Drop Safety Device (A-0068)

Center Picture

- Mounting procedure
  - If further detail is required please contact Safety Tools Allmet or the Authorized Agent in your region.

Right Picture
The Grinding Unit fully assembled and ready for use.



Special Information

Air tools should be properly cleaned and maintained after each use. See maintenance information on page 4 preparation information on page 7.

Use one to two drops of Air Tool oil in air supply nozzle after prolonged use.

Safety Tools files should be properly cleaned and maintained after each use. A good quality steel brush works best.

Make sure the handle is attached properly before use.

Air connection must always be disconnected from air supply when:
- Attaching or removing files
- Cleaning & maintaining Safety Tools

Do not exert excessive force when grinding with Safety Tools. The files are very solid and strong and work better with moderate force. Also, do not bend Air Tool and Handle together during use – Keep parallel. Failure to do this may break rotating head of Air Tool.

A-0104 Large Angle Grinder (2000 rpm)

Below are 4 pictures with Accessories, Mounting Tools and Files.

Left Picture

- Ex Large Head Angle Grinder (A-0104)
- Files A-0001 to A-0009B
- 17mm Spanner
- 16mm or 17mm Spanner
- Drop Safety Device
- Handle (A-0060) with Drop Safety Device (A-0068)

Right Picture
To attach and remove grinding files to Ex Large Angle Head Grinder use 17mm spanner & 16mm or 17mm spanner as shown below. Make sure file is tightened properly before use.

Left Bottom Picture
The Grinding Unit with the A-0009B File and Handle fully assembled and ready for use. Handle only used with A-0009 Files.

Right Bottom Picture
The Grinding Unit with the A-0004 ready for use. Do not use handle with Grinding Files A-0001 through A-0008.

Continued on next page

A-0104 Large Angle Grinder (2000 rpm) Continued

Special Information

Air tools should be properly cleaned and maintained after each use. See maintenance information on page 4 preparation information on page 7.

Use one to two drops of Air Tool oil in air supply nozzle after prolonged use.

Safety Tools files should be properly cleaned and maintained after each use. A good quality steel brush works best.

Make sure the handle is attached properly before use.

Air connection must always be disconnected from air supply when:
- Attaching or removing files
- Cleaning & maintaining Safety Tools

Do not exert excessive force when grinding with Safety Tools. The files are very solid and strong and work better with moderate force.

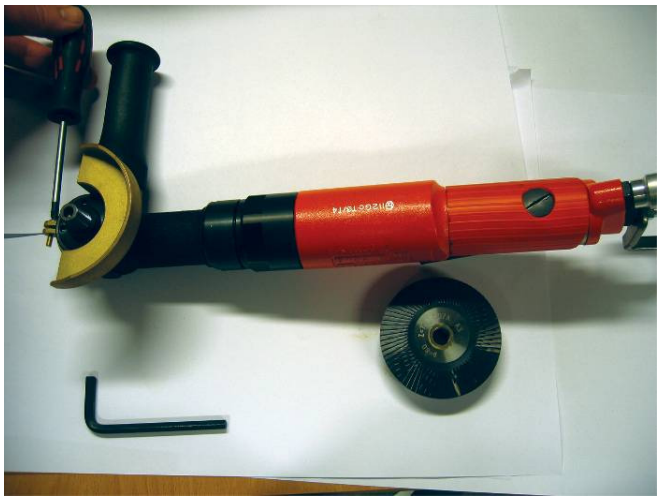
A-0105 Large Angle Grinder (1000 rpm)

Listed are 4 pictures with Accessories, Mounting Tools and Files.

Left Picture

- Large Ex Angle Grinder (A-0105)
- Grinding Disk (A-0500) – Similar to a Flap Disk
- 6mm Allen Key
- Phillips star screwdriver (not included)
- Support Handle for (A-0105) Ex Grinding Tool (Required for use)
- A-0065 Covering for Paint Removal Disk

Right Picture
Attach A-0065 Covering for Paint Removal Disk with Phillips star screwdriver – as shown below.

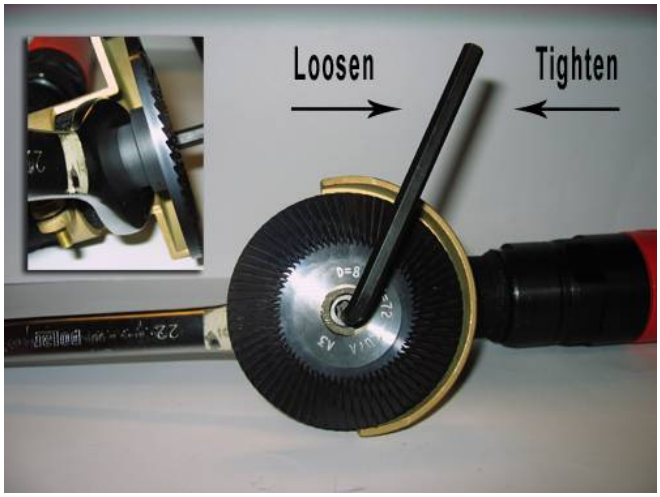


Continued

A-0105 Large Angle Grinder (1000 rpm) - continued

Bottom Left Picture
Attach and remove Paint Removal Disk using 6mm Allen Key and 22mm Spanner (Not Included) fits on the hub of the disk.

Bottom Right Picture
Ex Grinding Disk assembled, with handle screwed in - Ready for use.



Special Information

Air tools should be properly cleaned and maintained after each use. See maintenance information on page 4 preparation information on page 7.

Use one to two drops of Air Tool oil in air supply nozzle after prolonged use.

Safety Tools files should be properly cleaned and maintained after each use. A good quality steel brush works best.

Make sure the handle is attached properly before use.

Air connection must always be disconnected from air supply when:
- Attaching or removing files
- Cleaning & maintaining Safety Tools

Do not use too much force when grinding with Safety Tools. The disk is very solid and strong and works better with moderate force. A standard flap disk is soft. Safety Tools disks are very hard. When using the disk you have to adjust to the disk. See page 9 Grinding Disk for paint (A-0500).

Contact Safety Tools Allmet or the Authorized agent in your region for further information and/or training.

A-0065 (Rouge Boy) 2000 rpm - Assembled

Pictured below is Safety Tools Small Angle Grinder (A-0108) that is used with Grinding File (A-0010). There are only two Safety Tools Grinding Files that will work with this Air Tool. The other one is Rough Boy (A-0009C)

While grinding with Angle Grinder (A-0108) and the Grinding File (A-00010) - always have the handle A-0060RB) mounted on. Do not use too much force while grinding. Excreting too much force will cause the equipment to not work as well. Safety Tools Grinding Files are very solid and have specially designed cuts. It is not necessary to use as much force with our grinding tools as conventional abrasive tools.

Left Picture

- Small Ex Angle Grinder (A-0108)
- Grinding File (A-00010)
- Handle (A-0060RB)
- 6mm Allen Key

Not Pictured

- Mounting procedure
  - Only need to attach brass piece of the handle with Allen Key
  - If further detail is required please contact Safety Tools Allmet or the Authorized Agent in your region.
  - Animated video of components available at www.safetytools.no

Right Picture

Rough Boy fully assembled and ready for use.

Safety Notice

Air tools should be properly cleaned and maintained after each use. See maintenance information on page 4 preparation information on page 7.

Use one to two drops of Air Tool oil in air supply nozzle after prolonged use.

Safety Tools files should be properly cleaned and maintained after each use. A good quality steel brush works best.

Make sure the handle is attached properly before use.

Air connection must always be disconnected from air supply when:
- Attaching or removing files
- Cleaning & maintaining Safety Tools

Do not use too much force when grinding with Safety Tools. The files are very solid and strong and work better with moderate force. The Rough Boy Handle is specially designed to reinforce the tool so that the angle head is not bent.

Warning statements describe conditions which may lead to personal injuries including fatal injuries if the tool is not used properly and the warnings are not fully followed.
Caution statements describe conditions which may lead to equipment damage.

Warning: Do not use this tool until you are completely familiar with the safe operation of the tool, all accessories and safety devices. Improper use can lead to severe injury. This Manual defines proper use of this equipment. Before using this tool for any other use, please consult the manufacturer. Please consult your dealer if you you do not understand any part of this manual or operating procedure for this tool

Warning: Always shut off and disconnect the tool from the energy source when not in use or left unattended for any time. The air in the tool and supply hose should be discharged prior to disconnecting from the energy source.

Warning: Do not lay the tool down until all rotating parts have come to a complete stop.

Warning: The tool should be earthed via proper connection to a certified air hose.

Warning: All air hose connections should be secured using"whip-check" restraining devices

Warning: Do not exceed the maximum air pressure.

Warning: Always use safety goggles with this tool. Ordinary safety spectacles are not suitable. Full face shields may also be used.

Warning: Use gloves at all times when using this tool. Gloves should be suitable for the task

Warning: Adding unsuitable accessories can create hazards. Use accessories or attachments only in accordance with the operating instructions.

Warning: Do not wear loose clothing whilst operating this tool. Neckties, rings, bracelets or other jewellery may get caught in the tool and should be removed or covered. Good non-slip footwear is recommended. Wear protective hair covering to contain long hair.

Warning: Keep a good footing and balance at all times. Don't overreach. A rotating wheel can catch an article of clothing and cause personal injury.

Warning: Secure work. Use clamps if necessary to secure the work piece.

Warning: Only use this tool in well lit and ventilated areas. If necessary, wear respiratory Protection from dust created from the use of this tool

Warning: Do not fit any damaged accessories to this tool. Only use accessories in good condition free from visible cracks.

Caution: Use the correct tool. Don't force tool or attachment to execute a task for which it is not intended